

**Vienna Instruments**  
**Solo Strings**  
**Single Instrument Downloads**

**Violin solo 2**  
**Cello solo 2**

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## Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Single Instrument Downloads! This document contains the mapping information for members of the strings family. For each instrument of this group, you will find in it a mapping list which gives details for every Patch, Matrix, and Preset.

## Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements for the Vienna Instruments Player's default preload size, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

Wherever possible, instruments are built up similarly in order to facilitate exchanging them with each other to check out different sounds and combinations. Articulations, too, are largely the same within every instrument group. Here's a brief summary of the solo strings' articulations:

**Short notes:** staccato, short détaché, long détaché with and without vibrato, pizzicato

**Long notes:** sustained with normal, progressive, and without vibrato; tremolo

**Dynamics:** crescendo and diminuendo 2/3/4 sec., crescendo-diminuendo 2/4/6 sec., fortissimo, sforzato, sforzatissimo; with and without vibrato

**Interval performances:** legato and portamento with normal, progressive, and without vibrato; trills

**Repetition performances:** legato with and without vibrato, portato, staccato; normal and crescendo

**Fast repetitions:** 16ths at speeds from 140 to 180, and 200 BPM

The velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to an instrument's requirements. The Patch information also lists the velocity layers in detail.

## AB switches

With Violin solo 2 and Cello solo 2, we have implemented a new type of AB switch that allows you to switch between a "normal" playing style (A switch) and the "open string" style (B switch), where the strings' respective base notes are played on that string instead of the lower string's fifth.

## Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is not only used for legato but also for other articulations such as the strings' portamento, marcato, détaché and spiccato articulations.

Interval performances also contain at least two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But of course, it's mingling legato with other articulations which makes a piece really come alive.

Due to their nature, all interval performances are basically monophonic; otherwise, the software would have to be able to decide which source note belongs to which target note – to a certain extent, the *Vienna Instruments* player software is able to do this. To circumvent its necessary limitations regarding voice assignment, you can open two VI instances of the same instrument on separate MIDI tracks without any additional strain on your RAM.

## Matrix and Preset information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and Patch switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes (VI: 101–112; VI Pro: 1–127) instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes. VI Pro also allows you to define a MIDI Control for Preset keyswitching.

## Vienna Instruments (VI) and Vienna Instruments PRO (VI Pro) Matrices and Presets

Vienna Instruments Libraries contain Matrices and Presets for the free *Vienna Instruments* Player software and for *Vienna Instruments PRO*, which features powerful functions for enhancing the “human” sound of your compositions, distributing voices, etc. While Matrices and Presets of the same name contain the same Patches and samples, the PRO versions make use of these functions to create a more lively and natural-sounding impression. Also, there are additional PRO Matrices which make use of the internal sequencer to create runs and arpeggios.

Please note that *Vienna Instruments PRO* Matrices and Presets do not appear in the “standard” *Vienna Instruments*’ file browser.

When using the *Vienna Instruments PRO* player, we strongly recommend loading the VI Pro Matrices and Presets, since only they make full use of the software's features.

For more information on *Vienna Instruments PRO* Matrices and Presets, please refer to the Appendix. A separate manual can also be downloaded from your personal user area at [MyVSL](#).

## Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

# 01 Violin solo 2

## Patches

### 01 SHORT + LONG NOTES

Range: G3–G7



#### Articulations:

Staccato  
Short détaché  
Long détaché with and without vibrato  
Sustained with normal, progressive, and without vibrato  
Tremolo sustained  
Pizzicato

#### 01 VI2\_staccato

Samples: 512

RAM: 32 MB

Staccato  
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
AB switch: B=open string

#### 02 VI2\_detache\_short

Samples: 512

RAM: 32 MB

Short détaché  
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
AB switch: B=open string

#### 03 VI2\_detache\_long\_mV

Samples: 640

RAM: 40 MB

Long détaché, with vibrato  
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
Release samples  
AB switch: B=open string

#### 04 VI2\_detache\_long\_oV

Samples: 640

RAM: 40 MB

Long détaché, without vibrato  
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
Release samples  
AB switch: B=open string

#### 11 VI2\_sus\_Vib

Samples: 512

RAM: 32 MB

Sustained, with vibrato  
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
Release samples  
AB switch: B=open string

#### 12 VI2\_sus\_Vib-progr

Samples: 512

RAM: 32 MB

Sustained, with progressive vibrato  
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
Release samples  
AB switch: B=open string

|  |                     |                   |
|--|---------------------|-------------------|
| <b>13 VI2_sus_noVib</b>  | <b>Samples: 512</b> | <b>RAM: 32 MB</b> |
| Sustained, without vibrato<br>4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f<br>Release samples<br>AB switch: B=open string |                     |                   |
| <b>21 VI2_trem_sus</b>   | <b>Samples: 224</b> | <b>RAM: 14 MB</b> |
| Tremolo, sustained<br>3 velocity layers: 0–55 p; 56–108 mf; 109–127 f<br>Release samples<br>AB switch: B=open string                   |                     |                   |
| <b>31 VI2_pizz</b>   | <b>Samples: 384</b> | <b>RAM: 24 MB</b> |
| Pizzicato<br>3 velocity layers: 0–55 p; 56–108 mf; 109–127 f<br>AB switch: B=open string   |                     |                   |

## 02 DYNAMICS



| 1 Vibrato  |  | Range: G3–G7       |                  |
|--|--|--------------------|------------------|
| <b>Articulations:</b><br>Medium crescendo and diminuendo, 2, 3, 4 sec.<br>Strong crescendo and diminuendo, 2, 3, 4 sec.<br>Crescendo-diminuendo, 2, 4, 6 sec.<br>Fortepiano, sforzato, sforzatissimo<br>All patches with vibrato |  |                    |                  |
| <b>01 VI2_cre-me_Vib_2s (3s/4s)</b>  |  | <b>Samples: 64</b> | <b>RAM: 4 MB</b> |
| Medium crescendo, with vibrato, 2/3/4 sec.<br>2 velocity layers: 0–88 p-mf; 89–127 mf-f<br>AB switch: B=open string  |  |                    |                  |
| <b>04 VI2_dim-me_Vib_2s (3s/4s)</b>  |  | <b>Samples: 64</b> | <b>RAM: 4 MB</b> |
| Medium diminuendo, with vibrato, 2/3/4 sec.<br>2 velocity layers: 0–88 mf-p; 89–127 f-mf<br>AB switch: B=open string   |  |                    |                  |
| <b>11 VI2_cre-str_Vib_2s (3s/4s)</b>   |  | <b>Samples: 32</b> | <b>RAM: 2 MB</b> |
| Strong crescendo, with vibrato, 2/3/4 sec.<br>1 velocity layer<br>AB switch: B=open string   |  |                    |                  |
| <b>14 VI2_dim-str_Vib_2s (3s/4s)</b>   |  | <b>Samples: 32</b> | <b>RAM: 2 MB</b> |
| Strong diminuendo, with vibrato, 2/3/4 sec.<br>1 velocity layer<br>AB switch: B=open string  |  |                    |                  |

|   |                     |                   |
|---|---------------------|-------------------|
| <b>21 VI2_pfp_Vib_2s (4s/6s)</b>  | <b>Samples: 64</b>  | <b>RAM: 4 MB</b>  |
| Crescendo-diminuendo, with vibrato, 2/4/6 sec.<br>2 velocity layers: 0–88 p; 89–127 f<br>AB switch: B=open string   |                     |                   |
| <b>31 VI2_fp_Vib</b>  | <b>Samples: 160</b> | <b>RAM: 10 MB</b> |
| Fortepiano, with vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string   |                     |                   |
| <b>32 VI2_sfz_Vib</b>   | <b>Samples: 160</b> | <b>RAM: 10 MB</b> |
| Sforzato, with vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string   |                     |                   |
| <b>33 VI2_sffz_Vib</b>  | <b>Samples: 128</b> | <b>RAM: 8 MB</b>  |
| Sforzatissimo, with vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string  |                     |                   |
| <b>2 No Vibrato</b>   |                     |                   |
| <b>Range: G3–G7</b>   |                     |                   |
| <b>Articulations:</b><br>Medium crescendo and diminuendo, 2, 3, 4 sec.<br>Strong crescendo and diminuendo, 2, 3, 4 sec.<br>Crescendo-diminuendo, 2, 4, 6 sec.<br>Fortepiano, sforzato, sforzatissimo<br>All patches without vibrato |                     |                   |
| <b>41 VI2_cre-me_noVib_2s (3s/4s)</b>   | <b>Samples: 64</b>  | <b>RAM: 4 MB</b>  |
| Medium crescendo, without vibrato, 2/3/4 sec.<br>2 velocity layers: 0–88 p-mf; 89–127 mf-f<br>AB switch: B=open string  |                     |                   |
| <b>44 VI2_dim-me_noVib_2s (3s/4s)</b>   | <b>Samples: 64</b>  | <b>RAM: 4 MB</b>  |
| Medium diminuendo, without vibrato, 2/3/4 sec.<br>2 velocity layers: 0–88 mf-p; 89–127 f-mf<br>AB switch: B=open string   |                     |                   |
| <b>51 VI2_cre-str_noVib_2s (3s/4s)</b>  | <b>Samples: 32</b>  | <b>RAM: 2 MB</b>  |
| Strong crescendo, without vibrato, 2/3/4 sec.<br>1 velocity layer<br>AB switch: B=open string   |                     |                   |
| <b>54 VI2_dim-str_noVib_2s (3s/4s)</b>  | <b>Samples: 32</b>  | <b>RAM: 2 MB</b>  |
| Strong diminuendo, without vibrato, 2/3/4 sec.<br>1 velocity layer<br>AB switch: B=open string  |                     |                   |

|  |                      |                     |
|--|----------------------|---------------------|
| <b>61 VI2_pfp_noVib_2s (4s/6s)</b><br>Crescendo-diminuendo, without vibrato, 2/4/6 sec.<br>2 velocity layers: 0–88 p; 89–127 f<br>AB switch: B=open string           | <b>Samples: 64</b>   | <b>RAM: 4 MB</b>    |
| <b>71 VI2_fp_noVib</b><br>Fortepiano, without vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string   | <b>Samples: 160</b>  | <b>RAM: 10 MB</b>   |
| <b>72 VI2_sfz_noVib</b><br>Sforzato, without vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string  | <b>Samples: 160</b>  | <b>RAM: 10 MB</b>   |
| <b>73 VI2_sffz_noVib</b><br>Sforzatissimo, without vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string  | <b>Samples: 128</b>  | <b>RAM: 8 MB</b>    |
| <b>10 PERF INTERVAL</b>  |                      | <b>Range: G3–D7</b> |
| <b>Articulations:</b>  |                      |                     |
| Legato with normal, progressive, and without vibrato   |                      |                     |
| Portamento with normal, progressive, and without vibrato   |                      |                     |
| <b>01 VI2_perf-legato_Vib</b><br>Legato, with vibrato<br>Monophonic<br>4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f<br>Release samples                  | <b>Samples: 1676</b> | <b>RAM: 104 MB</b>  |
| <b>02 VI2_perf-legato_Vib-prog</b><br>Legato, with progressive vibrato<br>Monophonic<br>4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f<br>Release samples | <b>Samples: 1676</b> | <b>RAM: 104 MB</b>  |
| <b>03 VI2_perf-legato_noVib</b><br>Legato, without vibrato<br>Monophonic<br>4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f<br>Release samples             | <b>Samples: 1676</b> | <b>RAM: 104 MB</b>  |





**11 VI2\_perf-porta\_Vib****Samples: 1676   RAM: 104 MB**

Portamento, with vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**12 VI2\_perf-porta\_Vib-progr****Samples: 1676   RAM: 104 MB**

Portamento, with progressive vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**13 VI2\_perf-porta\_noVib****Samples: 1676   RAM: 104 MB**

Portamento, without vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**11 PERF TRILL****Range: G3–D7****01 VI2\_perf-trill\_leg****Samples: 3656   RAM: 228 MB**

Performance trills, minor 2nd to major 3rd

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**12 PERF REPETITION****Range: G3–G7****Articulations:**

Repetition performances

Legato with and without vibrato

Portato

Staccato

Normal and crescendo

**01 VI2\_perf-rep\_legato\_Vib****Samples: 384   RAM: 24 MB**

Legato, with vibrato

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: B=open string

**02 VI2\_perf-rep\_legato\_noVib****Samples: 384   RAM: 24 MB**

Legato, without vibrato

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: B=open string

|  |                     |                   |
|--|---------------------|-------------------|
| <b>03 VI2_perf-rep_portato</b>   | <b>Samples: 576</b> | <b>RAM: 36 MB</b> |
| Portato<br>2 velocity layers: 0–88 p; 89–127 f<br>AB switch: B=open string                         |                     |                   |
| <b>04 VI2_perf-rep_stac</b>  | <b>Samples: 576</b> | <b>RAM: 36 MB</b> |
| Staccato<br>2 velocity layers: 0–88 p; 89–127 f<br>AB switch: B=open string                        |                     |                   |
| <b>11 VI2_perf-rep_legato_Vib_cre</b>  | <b>Samples: 160</b> | <b>RAM: 10 MB</b> |
| Legato crescendo, with vibrato<br>5 repetitions<br>1 velocity layer<br>AB switch: B=open string    |                     |                   |
| <b>12 VI2_perf-rep_legato_noVib_cre</b>  | <b>Samples: 160</b> | <b>RAM: 10 MB</b> |
| Legato crescendo, without vibrato<br>5 repetitions<br>1 velocity layer<br>AB switch: B=open string |                     |                   |
| <b>13 VI2_perf-rep_portato_cre</b>   | <b>Samples: 288</b> | <b>RAM: 18 MB</b> |
| Portato crescendo<br>9 repetitions<br>1 velocity layer<br>AB switch: B=open string                 |                     |                   |
| <b>14 VI2_perf-rep_stac_cre</b>  | <b>Samples: 288</b> | <b>RAM: 18 MB</b> |
| Staccato crescendo<br>9 repetitions<br>1 velocity layer<br>AB switch: B=open string                |                     |                   |

**13 FAST REPETITION****Range: G3–D7**

|  |                     |                  |
|--|---------------------|------------------|
| <b>01 VI2_fast-rep_140 (150/160/170/180/200)</b>   | <b>Samples: 128</b> | <b>RAM: 8 MB</b> |
| Fast repetitions, 16ths at 140 to 180, and 200 BPM<br>2 velocity layers: 0–88 p; 89–127 f<br>Release samples<br>AB switch: B=open string |                     |                  |

**99 RELEASE**

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

# Matrices

## Matrix - VI

### 01 VI2\_Art-Combi small

Samples: 9928 RAM: 620 MB

Staccato, détaché short, détaché long with vibrato  
 Sustained with normal, progressive, and without vibrato  
 Fortepiano, sforzato, and sforzatissimo with vibrato  
 Interval performances legato with and without vibrato, portamento with vibrato  
 Performance trills  
 Repetition performances legato with vibrato, portato, staccato  
 Tremolo  
 Pizzicato

**Matrix switches:** Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

|    | C1            | C#1            | D1       | D#1             | E1           | F1             | F#1     | G1        |
|----|---------------|----------------|----------|-----------------|--------------|----------------|---------|-----------|
| V1 | staccato      | sustained vib. | fp vib.  | legato vib.     | perf. trills | reps. leg vib. | tremolo | pizzicato |
| V2 | détaché short | sus prog.vib.  | sfz vib. | legato no vib.  | perf. trills | reps. portato  | tremolo | pizzicato |
| V3 | détaché long  | sus no vib.    | sfz vib. | portamento vib. | perf. trills | reps. staccato | tremolo | pizzicato |

### 02 VI2\_Art-Combi large

Samples: 11704 RAM: 731 MB

Staccato, détaché short, détaché long with and without vibrato  
 Sustained with normal, progressive, and without vibrato, tremolo  
 Fortepiano, sforzato, and sforzatissimo with vibrato  
 Interval performances legato with normal, progressive, and without vibrato, performance trills  
 Portamento with normal, progressive, and without vibrato  
 Repetition performances legato with and without vibrato, portato, staccato  
 Medium and strong crescendo and diminuendo 2/3/4 sec.  
 Crescendo-diminuendo 2/4/6 sec.  
 Pizzicato

**Matrix switches:** Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

|    | C1                | C#1            | D1       | D#1              | E1               | F1                | F#1               | G1               | G#1               | A1               | A#1         | B1        |
|----|-------------------|----------------|----------|------------------|------------------|-------------------|-------------------|------------------|-------------------|------------------|-------------|-----------|
| V1 | staccato          | sustained vib. | fp vib.  | legato vib.      | portamento vib.  | reps. leg vib.    | med. cres vib. 2s | med. dim vib. 2s | str. cres vib. 2s | str. dim vib. 2s | pfp vib. 2s | pizzicato |
| V2 | détaché short     | sus prog.vib.  | sfz vib. | legato prog.vib. | porta. prog.vib. | reps. leg no vib. | med. cres vib. 3s | med. dim vib. 3s | str. cres vib. 3s | str. dim vib. 3s | pfp vib. 4s | pizzicato |
| V3 | détaché long vib. | sus no vib.    | sfz vib. | legato no vib.   | porta. no vib.   | reps. portato     | med. cres vib. 3s | med. dim vib. 3s | str. cres vib. 3s | str. dim vib. 3s | pfp vib. 4s | pizzicato |
| V4 | dét. long no vib. | tremolo        | sfz vib. | perf. trills     | perf. trills     | reps. staccato    | med. cres vib. 4s | med. dim vib. 4s | str. cres vib. 4s | str. dim vib. 4s | pfp vib. 6s | pizzicato |

**03 VI2\_Art-Combi Marc-Xfade****Samples: 11704 RAM: 731 MB**

Staccato, détaché short, détaché long with and without vibrato

Staccato attack: sustained with normal, progressive, and without vibrato, tremolo

Fortepiano, sforzato, and sforzatissimo with vibrato

Interval performances legato with normal, progressive, and without vibrato, performance trills

Portamento with normal, progressive, and without vibrato

Repetition performances legato with and without vibrato, portato, staccato

Short détaché (cres)/staccato (dim) attack: medium and strong crescendo and diminuendo with vibrato, 2/3/4 sec.

Short détaché attack: crescendo-diminuendo with vibrato, 2/4/6 sec.

Pizzicato

**Matrix switches:** Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

|    | C1                   | C#1                 | D1       | D#1                 | E1                  | F1                   | F#1                      | G1                       | G#1                      | A1                       | A#1                | B1        |
|----|----------------------|---------------------|----------|---------------------|---------------------|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------|-----------|
| V1 | staccato             | sus<br>vib./stac    | fp vib.  | legato vib.         | portamento<br>vib.  | reps. leg<br>vib.    | med. cres<br>vib. 2s/dét | med. dim<br>vib. 2s/stac | str. cres<br>vib. 2s/dét | str. dim vib.<br>2s/stac | pfp vib.<br>2s/dét | pizzicato |
| V2 | détaché<br>short     | sus<br>pr.vib./stac | sfz vib. | legato<br>prog.vib. | porta.<br>prog.vib. | reps. leg<br>no vib. | med. cres<br>vib. 3s/dét | med. dim<br>vib. 3s/stac | str. cres<br>vib. 3s/dét | str. dim vib.<br>3s/stac | pfp vib.<br>4s/dét | pizzicato |
| V3 | détaché<br>long vib. | sus no<br>vib./stac | sfz vib. | legato no<br>vib.   | porta. no<br>vib.   | reps.<br>portato     | med. cres<br>vib. 3s/dét | med. dim<br>vib. 3s/stac | str. cres<br>vib. 3s/dét | str. dim vib.<br>3s/stac | pfp vib.<br>4s/dét | pizzicato |
| V4 | dét. long<br>no vib. | tremolo/<br>stac    | sfz vib. | perf. trills        | perf. trills        | reps.<br>staccato    | med. cres<br>vib. 4s/dét | med. dim<br>vib. 4s/stac | str. cres<br>vib. 4s/dét | str. dim vib.<br>4s/stac | pfp vib.<br>6s/dét | pizzicato |

**04 VI2\_Art-Combi Vib-Xfade****Samples: 12728 RAM: 795 MB**

A matrix with vibrato/no vibrato crossfades (where applicable):

Staccato, détaché short, détaché long

Sustained with normal/progressive vibrato, tremolo

Fortepiano, sforzato, sforzatissimo

Interval performances legato normal/progressive/no vibrato, performance trills

Portamento with normal/progressive/no vibrato

Repetition performances legato with and without vibrato, portato, staccato

Medium and strong crescendo and diminuendo 2/3/4 sec.

Crescendo-diminuendo 2/4/6 sec.

Pizzicato

**Matrix switches:** Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

|    | C1                   | C#1                  | D1          | D#1                 | E1                    | F1                   | F#1                     | G1                     | G#1                     | A1                     | A#1               | B1        |
|----|----------------------|----------------------|-------------|---------------------|-----------------------|----------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------|-----------|
| V1 | staccato             | sustained<br>vib./Xf | fp vib./Xf  | legato<br>vib./Xf   | portamento<br>vib./Xf | reps. leg<br>vib./Xf | med. cres<br>vib. 2s/Xf | med. dim<br>vib. 2s/Xf | str. cres<br>vib. 2s/Xf | str. dim vib.<br>2s/Xf | pfp vib.<br>2s/Xf | pizzicato |
| V2 | détaché<br>short     | sus<br>prog.vib/Xf.  | sfz vib./Xf | legato<br>prog.vib. | porta.<br>prog.vib.   | reps. leg<br>no vib. | med. cres<br>vib. 3s/Xf | med. dim<br>vib. 3s/Xf | str. cres<br>vib. 3s/Xf | str. dim vib.<br>3s/Xf | pfp vib.<br>4s/Xf | pizzicato |
| V3 | dét. long<br>vib./Xf | sus<br>prog.vib./Xf  | sfz vib./Xf | legato no<br>vib.   | porta. no<br>vib.     | reps.<br>portato     | med. cres<br>vib. 3s/Xf | med. dim<br>vib. 3s/Xf | str. cres<br>vib. 3s/Xf | str. dim vib.<br>3s/Xf | pfp vib.<br>4s/Xf | pizzicato |
| V4 | dét. long<br>no vib. | tremolo              | sfz vib./Xf | perf. trills        | perf. trills          | reps.<br>staccato    | med. cres<br>vib. 4s/Xf | med. dim<br>vib. 4s/Xf | str. cres<br>vib. 4s/Xf | str. dim vib.<br>4s/Xf | pfp vib.<br>6s/Xf | pizzicato |

## Matrix - VI Pro

Here's a list of the instrument's VI Pro Matrices. The first four contain the same Patches as their Standard VI namesakes but make use of VI Pro's advanced features. The others are special VI Pro Matrices using the software's internal sequencer. You can find a general description of these in the appendix.

|                              |                |             |
|------------------------------|----------------|-------------|
| 01P VI2_Art-Combi small      | Samples: 9928  | RAM: 620 MB |
| 02P VI2_Art-Combi large      | Samples: 11704 | RAM: 731 MB |
| 03P VI2_Art-Combi Marc-Xfade | Samples: 11704 | RAM: 731 MB |
| 04P VI2_Art-Combi Vib-Xfade  | Samples: 12728 | RAM: 795 MB |
| 11P VI2 repetitions          | Samples: 6000  | RAM: 375 MB |
| 21P VI2 runs+phr key         | Samples: 7980  | RAM: 498 MB |
| 22P VI2 runs+phr whl         | Samples: 7980  | RAM: 498 MB |
| 23P VI2 runs+phr chr         | Samples: 7980  | RAM: 498 MB |
| 31P VI2 perf-trills          | Samples: 7980  | RAM: 498 MB |
| 32P VI2 arpeggios            | Samples: 6000  | RAM: 375 MB |

## Presets

### Preset - VI

|                            |                      |                    |
|----------------------------|----------------------|--------------------|
| <b>01 VI2 Preset small</b> | <b>Samples: 9928</b> | <b>RAM: 620 MB</b> |
|----------------------------|----------------------|--------------------|

Matrix: 01 VI2\_Art-Combi small

|                            |                       |                    |
|----------------------------|-----------------------|--------------------|
| <b>02 VI2 Preset large</b> | <b>Samples: 12728</b> | <b>RAM: 795 MB</b> |
|----------------------------|-----------------------|--------------------|

Matrices:

02 VI2\_Art-Combi large

03 VI2\_Art-Combi Marc-Xfade

04 VI2\_Art-Combi Vib-Xfade

Matrix keyswitches: C2–D2

### Preset - VI Pro

|                             |                      |                    |
|-----------------------------|----------------------|--------------------|
| <b>01P VI2 Preset small</b> | <b>Samples: 9928</b> | <b>RAM: 620 MB</b> |
|-----------------------------|----------------------|--------------------|

Matrix: 01P VI2\_Art-Combi small

|                             |                       |                    |
|-----------------------------|-----------------------|--------------------|
| <b>02P VI2 Preset large</b> | <b>Samples: 12728</b> | <b>RAM: 795 MB</b> |
|-----------------------------|-----------------------|--------------------|

Matrices:

02P VI2\_Art-Combi large

03P VI2\_Art-Combi Marc-Xfade

04P VI2\_Art-Combi Vib-Xfade

Matrix keyswitches: C2–D2

|                                 |                       |                    |
|---------------------------------|-----------------------|--------------------|
| <b>03P VI2 Preset large+Seq</b> | <b>Samples: 12728</b> | <b>RAM: 795 MB</b> |
|---------------------------------|-----------------------|--------------------|

A combination of all VI Pro Matrices (except "small")

Matrix keyswitches: C2–G#2

# 03 Cello solo 2

## Patches

### 01 SHORT + LONG NOTES

Range: C2–D6



#### Articulations:

Staccato  
Short détaché  
Long détaché with and without vibrato  
Sustained with normal, progressive, and without vibrato  
Tremolo sustained  
Pizzicato

#### 01 VC2\_staccato

Samples: 660

RAM: 41 MB

Staccato  
5 velocity layers: 0–28 pp; 29–55 p; 56–88 mp; 89–108 mf; 109–127 f  
AB switch: B=open string

#### 02 VC2\_detache\_short

Samples: 660

RAM: 41 MB

Short détaché  
5 velocity layers: 0–28 pp; 29–55 p; 56–88 mp; 89–108 mf; 109–127 f  
AB switch: B=open string

#### 03 VC2\_detache\_long\_mV

Samples: 660

RAM: 41 MB

Long détaché, with vibrato  
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
Release samples  
AB switch: B=open string

#### 04 VC2\_detache\_long\_oV

Samples: 660

RAM: 41 MB

Long détaché, without vibrato  
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
Release samples  
AB switch: B=open string

#### 11 VC2\_sus\_Vib

Samples: 600

RAM: 37 MB

Sustained, with vibrato  
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
Release samples  
AB switch: B=open string

#### 12 VC2\_sus\_Vib-progr

Samples: 600

RAM: 37 MB

Sustained, with progressive vibrato  
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f  
Release samples  
AB switch: B=open string

|  |                     |                   |
|--|---------------------|-------------------|
| <b>13 VC2_sus_noVib</b>  | <b>Samples: 600</b> | <b>RAM: 37 MB</b> |
| Sustained, without vibrato<br>4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f<br>Release samples<br>AB switch: B=open string |                     |                   |
| <b>21 VC2_trem_sus</b>   | <b>Samples: 231</b> | <b>RAM: 14 MB</b> |
| Tremolo, sustained<br>3 velocity layers: 0–55 p; 56–108 mf; 109–127 f<br>Release samples<br>AB switch: B=open string                   |                     |                   |
| <b>31 VC2_pizz</b>   | <b>Samples: 396</b> | <b>RAM: 24 MB</b> |
| Pizzicato<br>3 velocity layers: 0–55 p; 56–108 mf; 109–127 f<br>AB switch: B=open string   |                     |                   |

## 02 DYNAMICS



| 1 Vibrato  |  | Range: C2–D6       |                  |
|--|--|--------------------|------------------|
| <b>Articulations:</b><br>Medium crescendo and diminuendo, 2, 3, 4 sec.<br>Strong crescendo and diminuendo, 2, 3, 4 sec.<br>Crescendo-diminuendo, 2, 4, 6 sec.<br>Fortepiano, sforzato, sforzatissimo<br>All patches with vibrato |  |                    |                  |
| <b>01 VC2_cre-me_Vib_2s (3s/4s)</b>  |  | <b>Samples: 66</b> | <b>RAM: 4 MB</b> |
| Medium crescendo, with vibrato, 2/3/4 sec.<br>2 velocity layers: 0–88 p-mf; 89–127 mf-f<br>AB switch: B=open string  |  |                    |                  |
| <b>04 VC2_dim-me_Vib_2s (3s/4s)</b>  |  | <b>Samples: 66</b> | <b>RAM: 4 MB</b> |
| Medium diminuendo, with vibrato, 2/3/4 sec.<br>2 velocity layers: 0–88 mf-p; 89–127 f-mf<br>AB switch: B=open string   |  |                    |                  |
| <b>11 VC2_cre-str_Vib_2s (3s/4s)</b>   |  | <b>Samples: 33</b> | <b>RAM: 2 MB</b> |
| Strong crescendo, with vibrato, 2/3/4 sec.<br>1 velocity layer<br>AB switch: B=open string   |  |                    |                  |
| <b>14 VC2_dim-str_Vib_2s (3s/4s)</b>   |  | <b>Samples: 33</b> | <b>RAM: 2 MB</b> |
| Strong diminuendo, with vibrato, 2/3/4 sec.<br>1 velocity layer<br>AB switch: B=open string  |  |                    |                  |

|   |                     |                   |
|---|---------------------|-------------------|
| <b>21 VC2_pfp_Vib_2s (4s/6s)</b>  | <b>Samples: 66</b>  | <b>RAM: 4 MB</b>  |
| Crescendo-diminuendo, with vibrato, 2/4/6 sec.<br>2 velocity layers: 0–88 p; 89–127 f<br>AB switch: B=open string   |                     |                   |
| <b>31 VC2_fp_Vib</b>  | <b>Samples: 165</b> | <b>RAM: 10 MB</b> |
| Fortepiano, with vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string   |                     |                   |
| <b>32 VC2_sfz_Vib</b>   | <b>Samples: 165</b> | <b>RAM: 10 MB</b> |
| Sforzato, with vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string   |                     |                   |
| <b>33 VC2_sffz_Vib</b>  | <b>Samples: 132</b> | <b>RAM: 8 MB</b>  |
| Sforzatissimo, with vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string  |                     |                   |
| <b>2 No Vibrato</b>   |                     |                   |
| <b>Range: C2–D6</b>   |                     |                   |
| <b>Articulations:</b><br>Medium crescendo and diminuendo, 2, 3, 4 sec.<br>Strong crescendo and diminuendo, 2, 3, 4 sec.<br>Crescendo-diminuendo, 2, 4, 6 sec.<br>Fortepiano, sforzato, sforzatissimo<br>All patches without vibrato |                     |                   |
| <b>41 VC2_cre-me_noVib_2s (3s/4s)</b>   | <b>Samples: 66</b>  | <b>RAM: 4 MB</b>  |
| Medium crescendo, without vibrato, 2/3/4 sec.<br>2 velocity layers: 0–88 p-mf; 89–127 mf-f<br>AB switch: B=open string  |                     |                   |
| <b>44 VC2_dim-me_noVib_2s (3s/4s)</b>   | <b>Samples: 66</b>  | <b>RAM: 4 MB</b>  |
| Medium diminuendo, without vibrato, 2/3/4 sec.<br>2 velocity layers: 0–88 mf-p; 89–127 f-mf<br>AB switch: B=open string   |                     |                   |
| <b>51 VC2_cre-str_noVib_2s (3s/4s)</b>  | <b>Samples: 33</b>  | <b>RAM: 2 MB</b>  |
| Strong crescendo, without vibrato, 2/3/4 sec.<br>1 velocity layer<br>AB switch: B=open string   |                     |                   |
| <b>54 VC2_dim-str_noVib_2s (3s/4s)</b>  | <b>Samples: 33</b>  | <b>RAM: 2 MB</b>  |
| Strong diminuendo, without vibrato, 2/3/4 sec.<br>1 velocity layer<br>AB switch: B=open string  |                     |                   |



|  |                      |                     |
|--|----------------------|---------------------|
| <b>61 VC2_pfp_noVib_2s (4s/6s)</b><br>Crescendo-diminuendo, without vibrato, 2/4/6 sec.<br>2 velocity layers: 0–88 p; 89–127 f<br>AB switch: B=open string           | <b>Samples: 66</b>   | <b>RAM: 4 MB</b>    |
| <b>71 VC2_fp_noVib</b><br>Fortepiano, without vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string   | <b>Samples: 165</b>  | <b>RAM: 10 MB</b>   |
| <b>72 VC2_sfz_noVib</b><br>Sforzato, without vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string  | <b>Samples: 165</b>  | <b>RAM: 10 MB</b>   |
| <b>73 VC2_sffz_noVib</b><br>Sforzatissimo, without vibrato<br>1 velocity layer<br>Release samples<br>AB switch: B=open string  | <b>Samples: 132</b>  | <b>RAM: 8 MB</b>    |
| <b>10 PERF INTERVAL</b>  |                      | <b>Range: C2–A5</b> |
| <b>Articulations:</b><br>Legato with normal, progressive, and without vibrato<br>Portamento with normal, progressive, and without vibrato                            |                      |                     |
| <b>01 VC2_perf-legato_Vib</b><br>Legato, with vibrato<br>Monophonic<br>4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f<br>Release samples                  | <b>Samples: 1820</b> | <b>RAM: 113 MB</b>  |
| <b>02 VC2_perf-legato_Vib-prog</b><br>Legato, with progressive vibrato<br>Monophonic<br>4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f<br>Release samples | <b>Samples: 1636</b> | <b>RAM: 102 MB</b>  |
| <b>03 VC2_perf-legato_noVib</b><br>Legato, without vibrato<br>Monophonic<br>4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f<br>Release samples             | <b>Samples: 1572</b> | <b>RAM: 98 MB</b>   |



**11 VC2\_perf-porta\_Vib****Samples: 1676   RAM: 104 MB**

Portamento, with vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**12 VC2\_perf-porta\_Vib-progr****Samples: 1492   RAM: 93 MB**

Portamento, with progressive vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**13 VC2\_perf-porta\_noVib****Samples: 1428   RAM: 89 MB**

Portamento, without vibrato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**11 PERF TRILL****Range: C2–A5****01 VC2\_perf-trill\_leg****Samples: 3900   RAM: 243 MB**

Performance trills, minor 2nd to major 3rd. All other intervals legato

Monophonic

4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

Release samples

**12 PERF REPETITION****Range: C2–D6****Articulations:**

Repetition performances

Legato with and without vibrato

Portato

Staccato

Normal and crescendo

**01 VC2\_perf-rep\_legato\_Vib****Samples: 396   RAM: 24 MB**

Legato, with vibrato

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: B=open string

**02 VC2\_perf-rep\_legato\_noVib****Samples: 396   RAM: 24 MB**

Legato, without vibrato

2 velocity layers: 0–88 p; 89–127 f

Release samples

AB switch: B=open string

|  |                     |                   |
|--|---------------------|-------------------|
| <b>03 VC2_perf-rep_portato</b>   | <b>Samples: 594</b> | <b>RAM: 37 MB</b> |
| Portato<br>2 velocity layers: 0–88 p; 89–127 f<br>AB switch: B=open string                         |                     |                   |
| <b>04 VC2_perf-rep_stac</b>  | <b>Samples: 594</b> | <b>RAM: 37 MB</b> |
| Staccato<br>2 velocity layers: 0–88 p; 89–127 f<br>AB switch: B=open string                        |                     |                   |
| <b>11 VC2_perf-rep_legato_Vib_cre</b>  | <b>Samples: 165</b> | <b>RAM: 10 MB</b> |
| Legato crescendo, with vibrato<br>5 repetitions<br>1 velocity layer<br>AB switch: B=open string    |                     |                   |
| <b>12 VC2_perf-rep_legato_noVib_cre</b>  | <b>Samples: 165</b> | <b>RAM: 10 MB</b> |
| Legato crescendo, without vibrato<br>5 repetitions<br>1 velocity layer<br>AB switch: B=open string |                     |                   |
| <b>13 VC2_perf-rep_portato_cre</b>   | <b>Samples: 297</b> | <b>RAM: 18 MB</b> |
| Portato crescendo<br>9 repetitions<br>1 velocity layer<br>AB switch: B=open string                 |                     |                   |
| <b>14 VC2_perf-rep_stac_cre</b>  | <b>Samples: 297</b> | <b>RAM: 18 MB</b> |
| Staccato crescendo<br>9 repetitions<br>1 velocity layer<br>AB switch: B=open string                |                     |                   |

**13 FAST REPETITION****Range: C2–D6**

|  |                     |                  |
|--|---------------------|------------------|
| <b>01 VC2_fast-rep_140 (150/160/170/180/200)</b>   | <b>Samples: 132</b> | <b>RAM: 8 MB</b> |
| Fast repetitions, 16ths at 140 to 180, and 200 BPM<br>2 velocity layers: 0–88 p; 89–127 f<br>Release samples<br>AB switch: B=open string |                     |                  |

**99 RELEASE**

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments Matrix – you will not be able to hear anything when you try to play them.

# Matrices

## Matrix - VI

### 01 VC2\_Art-Combi small

Samples: 10414 RAM: 650 MB

Staccato, détaché short, détaché long with vibrato  
 Sustained with normal, progressive, and without vibrato  
 Fortepiano, sforzato, and sforzatissimo with vibrato  
 Interval performances legato with and without vibrato, portamento with vibrato  
 Performance trills  
 Repetition performances legato with vibrato, portato, staccato  
 Tremolo  
 Pizzicato

**Matrix switches:** Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

|    | C1            | C#1            | D1       | D#1             | E1           | F1             | F#1     | G1        |
|----|---------------|----------------|----------|-----------------|--------------|----------------|---------|-----------|
| V1 | staccato      | sustained vib. | fp vib.  | legato vib.     | perf. trills | reps. leg vib. | tremolo | pizzicato |
| V2 | détaché short | sus prog.vib.  | sfz vib. | legato no vib.  | perf. trills | reps. portato  | tremolo | pizzicato |
| V3 | détaché long  | sus no vib.    | sfz vib. | portamento vib. | perf. trills | reps. staccato | tremolo | pizzicato |

### 02 VC2\_Art-Combi large

Samples: 12064 RAM: 754 MB

Staccato, détaché short, détaché long with and without vibrato  
 Sustained with normal, progressive, and without vibrato, tremolo  
 Fortepiano, sforzato, and sforzatissimo with vibrato  
 Interval performances legato with normal, progressive, and without vibrato, performance trills  
 Portamento with normal, progressive, and without vibrato  
 Repetition performances legato with and without vibrato, portato, staccato  
 Medium and strong crescendo and diminuendo 2/3/4 sec.  
 Crescendo-diminuendo 2/4/6 sec.  
 Pizzicato

**Matrix switches:** Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

|    | C1                | C#1            | D1       | D#1              | E1               | F1                | F#1               | G1               | G#1               | A1               | A#1         | B1        |
|----|-------------------|----------------|----------|------------------|------------------|-------------------|-------------------|------------------|-------------------|------------------|-------------|-----------|
| V1 | staccato          | sustained vib. | fp vib.  | legato vib.      | portamento vib.  | reps. leg vib.    | med. cres vib. 2s | med. dim vib. 2s | str. cres vib. 2s | str. dim vib. 2s | pfp vib. 2s | pizzicato |
| V2 | détaché short     | sus prog.vib.  | sfz vib. | legato prog.vib. | porta. prog.vib. | reps. leg no vib. | med. cres vib. 3s | med. dim vib. 3s | str. cres vib. 3s | str. dim vib. 3s | pfp vib. 4s | pizzicato |
| V3 | détaché long vib. | sus no vib.    | sfz vib. | legato no vib.   | porta. no vib.   | reps. portato     | med. cres vib. 3s | med. dim vib. 3s | str. cres vib. 3s | str. dim vib. 3s | pfp vib. 4s | pizzicato |
| V4 | dét. long no vib. | tremolo        | sfz vib. | perf. trills     | perf. trills     | reps. staccato    | med. cres vib. 4s | med. dim vib. 4s | str. cres vib. 4s | str. dim vib. 4s | pfp vib. 6s | pizzicato |

**03 VC2\_Art-Combi Marc-Xfade****Samples: 12064 RAM: 754 MB**

Staccato, détaché short, détaché long with and without vibrato

Staccato attack: sustained with normal, progressive, and without vibrato, tremolo

Fortepiano, sforzato, and sforzatissimo with vibrato

Interval performances legato with normal, progressive, and without vibrato, performance trills

Portamento with normal, progressive, and without vibrato

Repetition performances legato with and without vibrato, portato, staccato

Short détaché (cres)/staccato (dim) attack: medium and strong crescendo and diminuendo with vibrato, 2/3/4 sec.

Short détaché attack: crescendo-diminuendo with vibrato, 2/4/6 sec.

Pizzicato

**Matrix switches:** Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

|    | C1                   | C#1                 | D1       | D#1                 | E1                  | F1                   | F#1                      | G1                       | G#1                      | A1                       | A#1                | B1        |
|----|----------------------|---------------------|----------|---------------------|---------------------|----------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------|-----------|
| V1 | staccato             | sus<br>vib./stac    | fp vib.  | legato vib.         | portamento<br>vib.  | reps. leg<br>vib.    | med. cres<br>vib. 2s/dét | med. dim<br>vib. 2s/stac | str. cres<br>vib. 2s/dét | str. dim vib.<br>2s/stac | pfp vib.<br>2s/dét | pizzicato |
| V2 | détaché<br>short     | sus<br>pr.vib./stac | sfz vib. | legato<br>prog.vib. | porta.<br>prog.vib. | reps. leg<br>no vib. | med. cres<br>vib. 3s/dét | med. dim<br>vib. 3s/stac | str. cres<br>vib. 3s/dét | str. dim vib.<br>3s/stac | pfp vib.<br>4s/dét | pizzicato |
| V3 | détaché<br>long vib. | sus no<br>vib./stac | sfz vib. | legato no<br>vib.   | porta. no<br>vib.   | reps.<br>portato     | med. cres<br>vib. 3s/dét | med. dim<br>vib. 3s/stac | str. cres<br>vib. 3s/dét | str. dim vib.<br>3s/stac | pfp vib.<br>4s/dét | pizzicato |
| V4 | dét. long<br>no vib. | tremolo/sta<br>c    | sfz vib. | perf. trills        | perf. trills        | reps.<br>staccato    | med. cres<br>vib. 4s/dét | med. dim<br>vib. 4s/stac | str. cres<br>vib. 4s/dét | str. dim vib.<br>4s/stac | pfp vib.<br>6s/dét | pizzicato |

**04 VC2\_Art-Combi Vib-Xfade****Samples: 13120 RAM: 820 MB**

A matrix with vibrato/no vibrato crossfades (where applicable):

Staccato, détaché short, détaché long

Sustained with normal/progressive vibrato, tremolo

Fortepiano, sforzato, sforzatissimo

Interval performances legato normal/progressive/no vibrato, performance trills

Portamento with normal/progressive/no vibrato

Repetition performances legato with and without vibrato, portato, staccato

Medium and strong crescendo and diminuendo 2/3/4 sec.

Crescendo-diminuendo 2/4/6 sec.

Pizzicato

**Matrix switches:** Horizontal: Keyswitches, C1–B1 Vertical: Modwheel, 4 zones

|    | C1                   | C#1                  | D1          | D#1                 | E1                    | F1                   | F#1                     | G1                     | G#1                     | A1                     | A#1               | B1        |
|----|----------------------|----------------------|-------------|---------------------|-----------------------|----------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------|-----------|
| V1 | staccato             | sustained<br>vib./Xf | fp vib./Xf  | legato<br>vib./Xf   | portamento<br>vib./Xf | reps. leg<br>vib./Xf | med. cres<br>vib. 2s/Xf | med. dim<br>vib. 2s/Xf | str. cres<br>vib. 2s/Xf | str. dim vib.<br>2s/Xf | pfp vib.<br>2s/Xf | pizzicato |
| V2 | détaché<br>short     | sus<br>prog.vib/Xf.  | sfz vib./Xf | legato<br>prog.vib. | porta.<br>prog.vib.   | reps. leg<br>no vib. | med. cres<br>vib. 3s/Xf | med. dim<br>vib. 3s/Xf | str. cres<br>vib. 3s/Xf | str. dim vib.<br>3s/Xf | pfp vib.<br>4s/Xf | pizzicato |
| V3 | dét. long<br>vib./Xf | sus<br>prog.vib./Xf  | sfz vib./Xf | legato no<br>vib.   | porta. no<br>vib.     | reps.<br>portato     | med. cres<br>vib. 3s/Xf | med. dim<br>vib. 3s/Xf | str. cres<br>vib. 3s/Xf | str. dim vib.<br>3s/Xf | pfp vib.<br>4s/Xf | pizzicato |
| V4 | dét. long<br>no vib. | tremolo              | sfz vib./Xf | perf. trills        | perf. trills          | reps.<br>staccato    | med. cres<br>vib. 4s/Xf | med. dim<br>vib. 4s/Xf | str. cres<br>vib. 4s/Xf | str. dim vib.<br>4s/Xf | pfp vib.<br>6s/Xf | pizzicato |

**Matrix - VI Pro**

Here's a list of the instrument's VI Pro Matrices. The first four contain the same Patches as their Standard VI namesakes but make use of VI Pro's advanced features. The others are special VI Pro Matrices using the software's internal sequencer. You can find a general description of these in the appendix.

|                              |                |             |
|------------------------------|----------------|-------------|
| 01P VC2_Art-Combi small      | Samples: 10414 | RAM: 650 MB |
| 02P VC2_Art-Combi large      | Samples: 12064 | RAM: 754 MB |
| 03P VC2_Art-Combi Marc-Xfade | Samples: 12064 | RAM: 754 MB |
| 04P VC2_Art-Combi Vib-Xfade  | Samples: 13120 | RAM: 820 MB |
| 11P VC2 repetitions          | Samples: 12064 | RAM: 754 MB |
| 21P VC2 runs+phr key         | Samples: 8507  | RAM: 531 MB |
| 22P VC2 runs+phr whl         | Samples: 8507  | RAM: 531 MB |
| 23P VC2 runs+phr chr         | Samples: 8507  | RAM: 531 MB |
| 31P VC2 perf-trills          | Samples: 8507  | RAM: 531 MB |
| 32P VC2 arpeggios            | Samples: 6427  | RAM: 401 MB |

**Presets****Preset - VI****01 VC2 Preset small****Samples: 10414 RAM: 650 MB**

Matrix: 01 VC2\_Art-Combi small

**02 VC2 Preset large****Samples: 13120 RAM: 820 MB**

Matrices:

02 VC2\_Art-Combi large

03 VC2\_Art-Combi Marc-Xfade

04 VC2\_Art-Combi Vib-Xfade

Matrix keyswitches: C6–D6

**Preset - VI Pro****01P VC2 Preset small****Samples: 10414 RAM: 650 MB**

Matrix: 01P VC2\_Art-Combi small

**02P VC2 Preset large****Samples: 13120 RAM: 820 MB**

Matrices:

02P VC2\_Art-Combi large

03P VC2\_Art-Combi Marc-Xfade

04P VC2\_Art-Combi Vib-Xfade

Matrix keyswitches: C6–D6

**03P VC2 Preset large+Seq****Samples: 13120 RAM: 820 MB**

A combination of all VI Pro Matrices (except "small")

Matrix keyswitches: C6–G#6

## Appendix – Vienna Instruments Pro Matrices and Presets

### Introduction

All Vienna Instruments PRO 2 Presets and Matrices have been saved with their cells disabled. This way you can load them quickly to analyze the various loaded Presets and Matrices.

If you activate “Force Enabled ON” in the Settings Menu, these Presets and Matrices will be loaded with enabled cells.



### VI Pro Matrices

There are special folders for Vienna Instruments Pro in the Matrix list of all String and Wind Instruments:

#### “MATRIX – VI PRO”



Matrices from 01–04 are the same as their Standard VI namesakes but make use of VI Pro’s advanced features. Matrix 11 and higher contain sequence-based Matrices. These are explained in the following.

**“11 repetitions” – Repetitions without restrictions**

Available for all String and Wind Instruments.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

**X-Axis Controller (horizontal):** Articulations/Patches are assigned in the APP Sequencer (Cell Tab)

**Y-Axis Controller (vertical):** Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

The variations available in the Y-Axis are generally sequences assembled from one or 2 different articulations. For Strings, these are spiccato and staccato Performance Repetitions. For Wind Instruments, these are portato and staccato Performance Repetitions.

You can access up to 12 different pre-programmed patterns:

|                |                   |  |
|----------------|-------------------|--|
| <b>Slot 1</b>  | <b>“16th”</b>     | 16th notes based on one articulation.  |
| <b>Slot 2</b>  | <b>“16 2mc”</b>   | 16th notes based on two different articulations, accents are achieved by using the “longer” articulation.                |
| <b>Slot 3</b>  | <b>“16 mc”</b>    | 16th notes based on two different articulations, accents are achieved by using 2 “longer” articulations.                 |
| <b>Slot 4</b>  | <b>“up 2”</b>     | Sequence of one 8th note and two 16th notes.   |
| <b>Slot 5</b>  | <b>“up 1”</b>     | Upbeats, sequence of one 8th note and one 16th note.   |
| <b>Slot 6</b>  | <b>“16 a3”</b>    | Sequence of three 16th notes and one 16th rest.  |
| <b>Slot 7</b>  | <b>“triplet”</b>  | 8th triplets based on one articulation.  |
| <b>Slot 8</b>  | <b>“trip mc”</b>  | 8th triplets based on two different articulations, accents are achieved by using the “longer” articulation.              |
| <b>Slot 9</b>  | <b>“trip mc2”</b> | 8th triplets based on two different articulations, every quarter beat is accentuated by using the “longer” articulation. |
| <b>Slot 10</b> | <b>“trip up1”</b> | Triplet Upbeats  |
| <b>Slot 11</b> | <b>“Phrase A”</b> | Example 1 of a combination of different articulations.   |
| <b>Slot 12</b> | <b>“Phrase B”</b> | Example 2 of a combination of different articulations.   |



**“21 runs+phr key” – Diatonic Runs & Phrases**

Available for all String and Wind Instruments.

An APP Sequencer based Matrix with Host Tempo Sync activated by default.

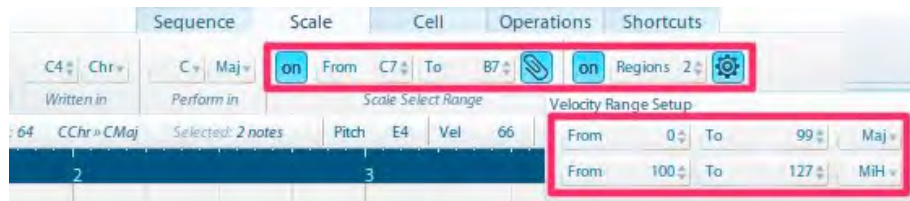
Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

**Attention:** If this Matrix is loaded into an empty preset on its own, the “Scale Select Range” and “Velocity Switch” functions in the APP sequencer (Scale Tab) must be activated.



**X-Axis Controller (horizontal):** Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The major part of the patches used is based on Performance Fast Legatos, and Slurred Fast Legatos for most string ensembles.

**Y-Axis Controller (vertical):** Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations in the Y-Axis consist of upwards and downwards runs and phrases in different lengths.

|                |                   |   |
|----------------|-------------------|---|
| <b>Slot 1</b>  | <b>“Oct up”</b>   | Diatonic run upwards, 1 octave  |
| <b>Slot 2</b>  | <b>“Oct do”</b>   | Diatonic run downwards, 1 octave  |
| <b>Slot 3</b>  | <b>“Oct ac-u”</b> | Diatonic run upwards, 1 octave, with a slight accelerando                     |
| <b>Slot 4</b>  | <b>“Oct ac-d”</b> | Diatonic run downwards, 1 octave, with a slight accelerando                   |
| <b>Slot 5</b>  | <b>“2 Oct up”</b> | Diatonic run upwards, 2 octaves   |
| <b>Slot 6</b>  | <b>“2 Oct do”</b> | Diatonic run downwards, 2 octaves   |
| <b>Slot 7</b>  | <b>“Quint up”</b> | Diatonic run upwards, 1 fifth   |
| <b>Slot 8</b>  | <b>“Quint do”</b> | Diatonic run downwards, 1 fifth   |
| <b>Slot 9</b>  | <b>“Phr A up”</b> | Progressive phrase upwards (step by step) with a repetition note, 1 octave.   |
| <b>Slot 10</b> | <b>“Phr A do”</b> | Progressive phrase downwards (step by step) with a repetition note, 1 octave. |
| <b>Slot 11</b> | <b>“Phr B up”</b> | Progressive “mordent phrase” upwards (step by step), 1 octave.                |
| <b>Slot 12</b> | <b>“Phr B do”</b> | Progressive “mordent phrase” downwards (step by step), 1 octave.              |

**“22 runs+phr whl” – Whole-tone Runs & Phrases**

Like Matrix “21 runs+phr key”, but based on whole-tone scales.

**“23 runs+phr chr” – Chromatic Runs & Phrases**

Like Matrix “21 runs+phr key”, but based on chromatic scales.

### “31 perf-trills” – Thrilling Trills

Available for all String and Wind Instruments with Performance Trill Patches.

An APP Sequencer based Matrix with Host Tempo Sync NOT activated by default. Trill speed can be set directly in the APP sequencer’s “Sequence” tab.

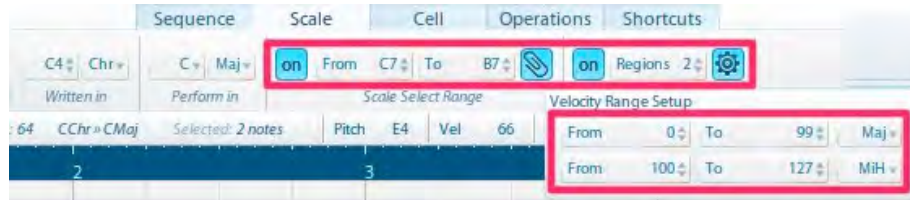
Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major Scale

Velocity 100–127: Minor Harmonic Scale

**Attention:** If this Matrix is loaded into an empty preset on its own, the “Scale Select Range” and “Velocity Switch” functions in the APP sequencer (Scale Tab) must be activated.



**X-Axis Controller (horizontal):** Articulations/Patches are assigned in the APP Sequencer (Cell Tab). The major part of the Patches used is based on Performance Trill Patches.

**Y-Axis Controller (vertical):** Keyswitches

For Bass to Soprano Instruments (lowest note C2): C1 upwards

For Contrabass Instruments (lowest notes below C2): C6 upwards

The available variations in the Y-Axis consist of trills in different speeds, accelerating or decelerating, plus a variety of mordents and inverted mordents (“Pralltriller”).

|         |             |   |
|---------|-------------|---|
| Slot 1  | “trill”     | Trill, middle tempo.  |
| Slot 2  | “trill ac”  | Trill, accelerating.  |
| Slot 3  | “trill fa”  | Trill, fast tempo.  |
| Slot 4  | “trill ri”  | Trill, decelerating.  |
| Slot 5  | “mord up1”  | Embellishment, starting with upwards note.                    |
| Slot 6  | “mord do1”  | Embellishment, starting with downwards note.                  |
| Slot 7  | “mord up2”  | Embellishment, starting with two upwards notes.               |
| Slot 8  | “mord up2+” | Embellishment, starting with two upwards notes (variation).   |
| Slot 9  | “mord do2”  | Embellishment, starting with two downwards notes.             |
| Slot 10 | “mord do2+” | Embellishment, starting with two downwards notes (variation). |
| Slot 11 | “Prall up”  | Inverted mordent (“Pralltriller”) upwards                     |
| Slot 12 | “Prall do”  | Inverted mordent (“Pralltriller”) downwards                   |

**“32 arpeggios” – Fantastic Four String Arpeggios**

Available for all String Instruments except Double Basses.

APP Sequencer-based Matrix, Host Tempo Sync activated by default.

Selection of 12 Scales from C major/minor to B major/minor by Keyswitches C7–B7.

Change between major and minor harmonic scales by Velocity Switch:

Velocity 0–99: Major scale

Velocity 100–127: Minor harmonic scale

**Attention:** If this Matrix is loaded into an empty preset on its own, the “Scale Select Range” and “Velocity Switch” in the APP sequencer (Scale Tab) must be activated.



**X-Axis Controller:** Articulations are assigned in the APP Sequencer (Cell Tab)

The major part of the used patches is based on Performance Legato Patches, in combination with Performance Repetitions.

**Y-Axis Controller:** Keyswitches

Only for Bass to Soprano Instruments (lowest note C2): C1 upwards

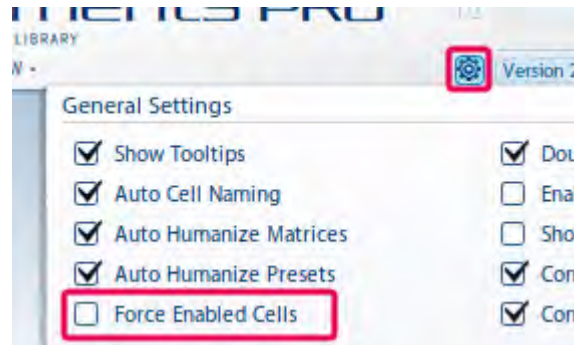
The available variations in the Y-Axis are the most essential arpeggio chords over 4 strings within a scale (except #12).

|                |                   |   |
|----------------|-------------------|---|
| <b>Slot 1</b>  | <b>"ma3 root"</b> | Arpeggio Sequence, as an example in C major: C–G–E–C  |
| <b>Slot 2</b>  | <b>"ma3 inv1"</b> | Arpeggio Sequence, as an example in C major: C–A–E–A  |
| <b>Slot 3</b>  | <b>"ma3 inv2"</b> | Arpeggio Sequence, as an example in C major: C–A–F–C  |
| <b>Slot 4</b>  | <b>"ma7 root"</b> | Arpeggio Sequence, as an example in C major: C–G–E–B  |
| <b>Slot 5</b>  | <b>"ma7 inv1"</b> | Arpeggio Sequence, as an example in C major: C–G–E–A  |
| <b>Slot 6</b>  | <b>"ma7 inv2"</b> | Arpeggio Sequence, as an example in C major: C–A–F–E  |
| <b>Slot 7</b>  | <b>"ma7 inv3"</b> | Arpeggio Sequence, as an example in C major: C–A–F–D  |
| <b>Slot 8</b>  | <b>"ma9 1"</b>    | Arpeggio Sequence, as an example in C major: C–G–D–B  |
| <b>Slot 9</b>  | <b>"ma9 2"</b>    | Arpeggio Sequence, as an example in C major: C–G–E–D  |
| <b>Slot 10</b> | <b>"ma9 3"</b>    | Arpeggio Sequence, as an example in C major: C–A–E–D  |
| <b>Slot 11</b> | <b>"Qua–Qui"</b>  | Arpeggio Sequence, as an example in C major: C–F–C–F  |
| <b>Slot 12</b> | <b>"augm chr"</b> | Arpeggio Sequence, as an example in C major: C–G#–E–C |

## VI Pro Presets

All Vienna Instruments Pro Single Instrument Presets are contained in the folder “Preset – VI PRO”.

All Cells are saved in “disabled” status (without any loaded samples). If you want your Presets to be loaded with their Cells automatically enabled, just activate “Force Enabled ON/OFF” in the Settings menu.



Use Keyswitches to switch between Matrices. Alternatively, you can also use Program Changes or MIDI Control Changes.

### **Matrix switching:** Keyswitches

For Alto and Soprano Instruments (lowest note C3): C2 upwards

For Bass and Tenor Instruments (lowest notes below C3): C6 upwards

For Contrabass Instruments (lowest notes below C2): C5 upwards

Internal reverb is activated!

Tuning Table: 12-tone

Assignment of the most important controllers (pre-configured sliders in Basic View)

|                               |      |                                  |      |
|-------------------------------|------|----------------------------------|------|
| Master Volume                 | CC7  | Slot X-Fade                      | CC20 |
| Velocity X-Fade               | CC2  | Filter                           | CC24 |
| Velocity X-Fade ON/OFF switch | CC28 | Tuning                           | CC26 |
| Dyn Range scaler              | CC30 | (scales Humanize Tuning Curves)  |      |
| Start Offset scaler           | CC21 | Algorithmic Reverb Dry/Wet       | CC14 |
| Expression                    | CC11 | Algorithmic Reverb ON/OFF switch | CC15 |



Matrix assignments:

|    |                         |    |                 |
|----|-------------------------|----|-----------------|
| C  | 02_Art-Combi large      | F  | 22 runs+phr whl |
| C# | 03_Art-Combi Marc-Xfade | F# | 23 runs+phr chr |
| D  | 04_Art-Combi Vib-Xfade  | G  | 31 perf-trills  |
| D# | 11 repetitions          | G# | 32 arpeggios    |
| E  | 21 runs+phr key         |    |                 |